

53. (Amended) The composition of claim 26 or 27 wherein the light absorbing portion of A<sub>1</sub> comprises the residue of at least one light absorbing monomer selected from the group consisting of azo, disazo, bis-azo and azomethine and having respectively the structures:

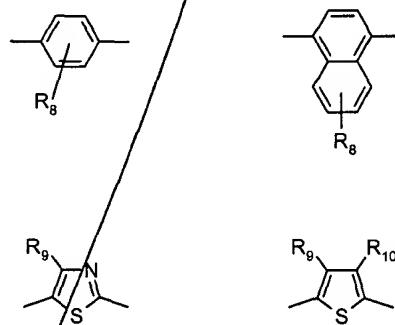
*BB*  
R<sub>6</sub>-N=N-Z, R<sub>6</sub>-N=N-R<sub>7</sub>-N=N-Z, R<sub>6</sub>-N=N-Y<sub>1</sub>-N=N-R<sub>6</sub> and  
D=HC-N=N-Z

wherein R<sub>6</sub> is the residue of an aromatic or heteroaromatic amine which has been diazotized and coupled with a coupling component H-Z and is derived from an amine selected from the group consisting of aromatic and heteroaromatic amine classes selected from the group consisting of aniline, 1-aminonaphthalene, 1-aminoanthraquinone, 4-aminoazobenzene, 2-aminothiazole, 2-aminobenzothiazole, 3-amino-2,1-benzisothiazole, 2-aminothieno[2,3-d]thiazole, 5-aminoisothiazole, 5-aminopyrazole, 4-aminopyrazoloisothiazole, 2-amino-1,3,4-thiadiazole, 5-amino-1,2,4-thiadiazole, 5-amino-1,2,3-triazole, 2-amino-1,3,4-triazole, 2(5) aminoimidazole, 3-aminopyridine, 2(3) aminothiophene, 2(3) aminobenzo[b]thiophene, 2-aminothieno[3,2-b]thiophene, 3-aminothieno[2,3-c]isothiazole, 3-amino-7-benz-2,1-isothiazole, 3-aminobenzothienoisothiazole, 3-aminoisothiazole[3,4-d]pyrimidine, 5-amino-1,2,3-triazole, 3(4) aminophthalimide and 5(6) amino-1,2-benzisothiazolon-1,1-dioxide with said aromatic and heteroaromatic ring systems being unsubstituted or substituted with one or more groups selected from C<sub>1</sub>-C<sub>10</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, carboxy, halogen, C<sub>1</sub>-C<sub>6</sub> alkoxycarbonyl, formyl, C<sub>1</sub>-C<sub>6</sub> alkanoyl, C<sub>1</sub>-C<sub>6</sub> alkanoyloxy, dicyanovinyl, C<sub>3</sub>-C<sub>8</sub>-cycloalkanoyl, thiocyanato, trifluoroacetyl, cyano, carbamoyl, -CONH-C<sub>1</sub>-C<sub>6</sub> alkyl, CONHaryl, CON(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>2</sub>, sulfamoyl, SO<sub>2</sub>NH C<sub>1</sub>-C<sub>6</sub> alkyl, SO<sub>2</sub>N(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>2</sub>, SO<sub>2</sub>NHaryl, SO<sub>2</sub>NH C<sub>3</sub>-C<sub>8</sub> cycloalkyl, CONH C<sub>3</sub>-C<sub>8</sub> cycloalkyl, aryl, aroyl, -NHSO<sub>2</sub> C<sub>1</sub>-C<sub>6</sub> alkyl, -N(C<sub>1</sub>-C<sub>6</sub> alkyl)SO<sub>2</sub> C<sub>1</sub>-C<sub>6</sub> alkyl, -NHSO<sub>2</sub> aryl, NHCO C<sub>1</sub>-C<sub>6</sub> alkyl, NHCO C<sub>3</sub>-C<sub>8</sub> cycloalkyl, NHCOaryl, NHCO<sub>2</sub> C<sub>1</sub>-C<sub>6</sub> alkyl, NHCONH C<sub>1</sub>-C<sub>6</sub> alkyl, NHCONHaryl, N(C<sub>1</sub>-C<sub>6</sub> alkyl)aryl, arylazo, heteroaryl, aryloxy, arylthio, C<sub>3</sub>-C<sub>8</sub> cycloalkoxy, heteroarylazo, heteroarylthio, arylsulfonyl, tricyanovinyl, aryloxysulfonyl, C<sub>1</sub>-C<sub>6</sub> alkylsulfonyl, trifluoromethyl, fluorosulfonyl, trifluoromethylsulfonyl,

*SUB*  
*C7*

thiocyno, hydroxy, nitro or  $\text{CH}=\text{D}$ , wherein D is the residue of an active methylene compound selected from the group consisting of malononitrile,  $\alpha$ -cyanoacetic acid esters, malonic acid esters,  $\alpha$ -cyanacetic acid amides,  $\alpha$ -C<sub>1</sub>-C<sub>6</sub> alkylsulfonylacetonitriles,  $\alpha$ -arylsulfonylacetonitriles,  $\alpha$ -C<sub>1</sub>-C<sub>6</sub> alkanoylacetonitriles,  $\alpha$ -aroylacetonitriles,  $\alpha$ -heteroarylacetonitriles, bis(heteroaryl)methanes, 1,3-indanediones, 2-furanones, benzo-2-furanones, naphtho-2-furanones, 2-indolones, 3-cyano-1,6-dihydro-4-methyl-2,6-dioxy (2H)-pyridines, benzo (b) thieno-3-ylidene propane dinitrile-5,5-dioxides, 1,3-bis(dicyanomethylene) indanes, barbituric acid, 5-pyrazolones, dimedone, 3-oxo-2,3-dihydro-1-benzothiophene-1,1-dioxides or aryl-C(CH<sub>3</sub>)C=C(CN)<sub>2</sub>; wherein R<sub>7</sub> is a divalent aromatic or heteroaromatic radical selected from the group consisting of 1,4-phenylene, naphthalene-1,4-diyl, thiazol-2,5-diyl and thiophene-2,5-diyl:

*Sub  
C1*

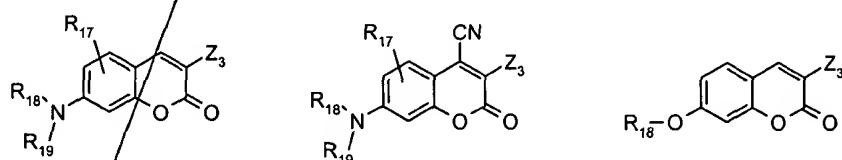


wherein R<sub>8</sub> is selected from the group consisting of hydrogen or 1-2 groups selected from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, cyano, halogen, -NHCO C<sub>1</sub>-C<sub>6</sub> alkyl, -NHCO<sub>2</sub> C<sub>1</sub>-C<sub>6</sub> alkyl, -NHCO aryl, -NHCONH aryl or NHCONH C<sub>1</sub>-C<sub>6</sub> alkyl; R<sub>9</sub> is selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, halogen, aryl, heteroaryl; R<sub>10</sub> is selected from the group consisting of hydrogen, C<sub>1</sub>-C<sub>6</sub> alkoxy carbonyl, cyano, carbamoyl, aryl, arylsulfonyl, aroyl, -CONH C<sub>1</sub>-C<sub>6</sub> alkyl, or C<sub>1</sub>-C<sub>6</sub> alkylsulfonyl; wherein Z is the residue of a coupling compound selected from the group consisting of electron rich compound classes of anilines, 1-aminonaphthalenes, 1,2-dihydroquinolines, 1,2,3,4-tetrahydroquinolines, benzomorpholines (3,4-dihydro-2H-1,4-benzoxazine), pyrazolones,

pyrazoles, 3-cyano-6-hydroxy-2-pyridones, 2,3-dihydroindoles, indoles, 4-hydroxycoumarins, 4-hydroxy-2-quinolones, imidazo[2,1-b]thiazoles, julolidines (2,3,6,7-tetrahydro-1H,5H-benzo[ij]quinolizines), 1-oxajulolidines, 1,2,5,6-tetrahydro-4H-pyrrolo[3,2,1-ij]quinolines, 2,6-diamino-3 cyanopyridines, 2-aminothiazoles, 2-aminothiophenes, 5,5-dimethyl-1,3-cyclohexanedione (dimedone), phenols, naphthols, 2,4-pentanediones or acetoacetarylides; wherein  $Y_1$  is the residue of a bis coupling component selected from the group consisting of anilines, 1,2-dihydroquinolines, 1,2,3,4-tetrahydroquinolines, benzomorpholines (3,4-dihydro-2H-1,4-benzoxazines), 3-cyano-6-hydroxy-2-pyridones, 2,6-diaminopyridines, 2,3-dihydroindoles, naphthylamines, 2-aminothiazoles, or a combination of these; with the provision that two acidic functional groups containing one acidic hydrogen each or a functional group containing two acidic hydrogen are present in the diacidic light absorbing monomer.

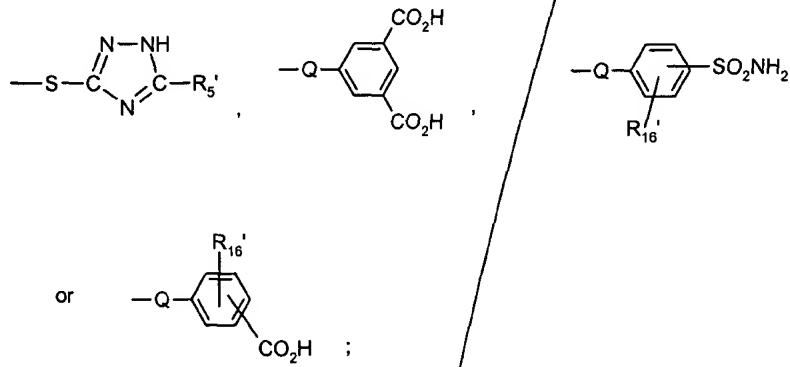
*SCB*  
*C17*

57. (Amended) The composition of claim 51 wherein the light absorbing portion of  $A_1$  comprises a residue of at least one diacidic coumarin compounds selected from the group consisting of the structures



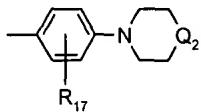
wherein  $Z_3$  is selected from the group consisting of cyano,  $C_1-C_6$  alkoxy carbonyl,  $C_1-C_6$  alkylsulfonyl, arylsulfonyl, aryl, heteroaryl, formyl, aroyl,  $C_1-C_6$  alkanoyl or  $-CH=D$ , wherein  $R_{17}$  is selected from the group consisting of hydrogen, 1-2 groups selected from  $C_1-C_6$  alkyl,  $C_1-C_6$  alkoxy,  $C_1-C_6$  alkylthio,  $-O\ C_2-C_6$  alkylene-OH,  $O\ C_2-C_6$  alkylene-  $C_1-C_6$  alkanoyloxy,  $C_1-C_6$  alkylene-OH,  $C_1-C_6$  alkylene-  $C_1-C_6$  alkanoyloxy, halogen, carboxy,  $C_1-C_6$  alkoxy carbonyl, trifluoromethyl,  $NHCOR_{24}$ ,  $NHCO_2R_{24}$ ,  $NHCON(R_{24})R_{25}$ , and  $NHSO_2R_{25}$ , wherein  $R_{24}$  is selected from the group consisting of hydrogen,  $C_1-C_{10}$  alkyl,  $C_3-C_8$  cycloalkyl or aryl,  $R_{25}$  is selected from the group

consisting of  $C_1$ - $C_{10}$  alkyl,  $C_3$ - $C_8$  cycloalkyl or aryl wherein each  $C_1$ - $C_{10}$  alkyl group in  $R_{24}$  and  $R_{25}$  may be further substituted with one or more groups selected from the group consisting of  $C_3$ - $C_8$  cycloalkyl, aryl, aryloxy, arylthio,  $CO_2H$ ,  $CO_2C_1$ - $C_6$  alkyl, cyano, hydroxy, succinimido,  $C_1$ - $C_6$  alkoxy,



*BL*  
*SUB*  
*C17*

wherein  $R_5'$  is selected from the group consisting of hydrogen,  $C_1$ - $C_6$  alkyl or aryl;  $R_{16}'$  is selected from hydrogen or one or two groups selected from  $C_1$ - $C_6$  alkyl, halogen, and  $C_1$ - $C_6$  alkoxy;  $Q$  is selected from the group consisting of  $-O-$ ,  $-N(COR_{10})-$ ,  $-N(R_{10})-$ ,  $-S-$ ,  $-SO_2-$ ,  $-CO_2-$ ,  $CON(R_{10})$ ,  $SO_2(R_{10})-$ , wherein  $R_{10}$  is selected from the group consisting of hydrogen, aryl,  $C_3$ - $C_8$  cycloalkyl or  $C_1$ - $C_{10}$  alkyl;  $R_{18}$  and  $R_{19}$  are independently selected from the group consisting of hydrogen, unsubstituted  $C_1$ - $C_{10}$  alkyl, substituted  $C_1$ - $C_{10}$  alkyl,  $C_3$ - $C_8$  cycloalkyl,  $C_3$ - $C_8$  alkenyl,  $C_3$ - $C_8$  alkynyl and aryl or  $R_{18}$  and  $R_{19}$  may be combined with another element to which they are attached to form a radical  $Z$  having the formula



wherein  $Q_2$  is selected from the group consisting of a covalent bond,  $-O-$ ,  $-S-$ ,  $-SO_2-$ ,  $-CO-$ ,  $-CO_2-$ ,  $-N-(C_1-C_6\text{ alkyl})-$ ,  $-N(CO\text{ }C_1-C_6\text{ alkyl})-$ ,  $-N(SO_2\text{ }C_1-C_6\text{ alkyl})-$ ,  $-N(CO\text{ aryl})-$ , or  $-N(SO_2\text{ aryl})$ ;  $R_{20}$ ,  $R_{21}$  and  $R_{22}$  are independently selected from the group consisting of or  $C_1$ - $C_6$  alkyl;  $R_{23}$  is selected from the group consisting of hydrogen,  $C_1$ - $C_6$

alkyl, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, heteroaryl or aryl; wherein D is the residue of an active methylene compound selected from the group consisting of malononitrile,  $\alpha$ -cyanoacetic acid esters, malonic acid esters,  $\alpha$ -cyanacetic acid amides,  $\alpha$ -C<sub>1</sub>-C<sub>6</sub> alkylsulfonylacetanitriles,  $\alpha$ -arylsulfonylacetanitriles,  $\alpha$ -C<sub>1</sub>-C<sub>6</sub> alkanoylacetanitriles,  $\alpha$ -aroylacetanitriles,  $\alpha$ -heteroarylacetanitriles, bis(heteroaryl)methanes, 1,3-indanediones, 2-furanones, benzo-2-furanones, naphtho-2-furanones, 2-indolones, 3-cyano-1,6-dihydro-4-methyl-2,6-dioxy (2H)-pyridines, benzo (b) thieno-3-ylidene propane dinitrile-5,5-dioxides, 1,3-bis(dicyanomethylene) indanes, barbituric acid, 5-pyrazolones, dimedone, 3-oxo-2,3-dihydro-1-benzothiophene-1,1-dioxides or aryl-C(CH<sub>3</sub>)C=C(CN)<sub>2</sub>, with the proviso that two acidic functional groups containing one acidic hydrogen each, or a functional group containing two acidic hydrogens are present.

*SUR*  
*CD*  
*BY*